

Use of MEDDRA in AERS

Medical Dictionary for Regulatory Activities

(Medical Dictionary for Drug Regulatory Affairs)

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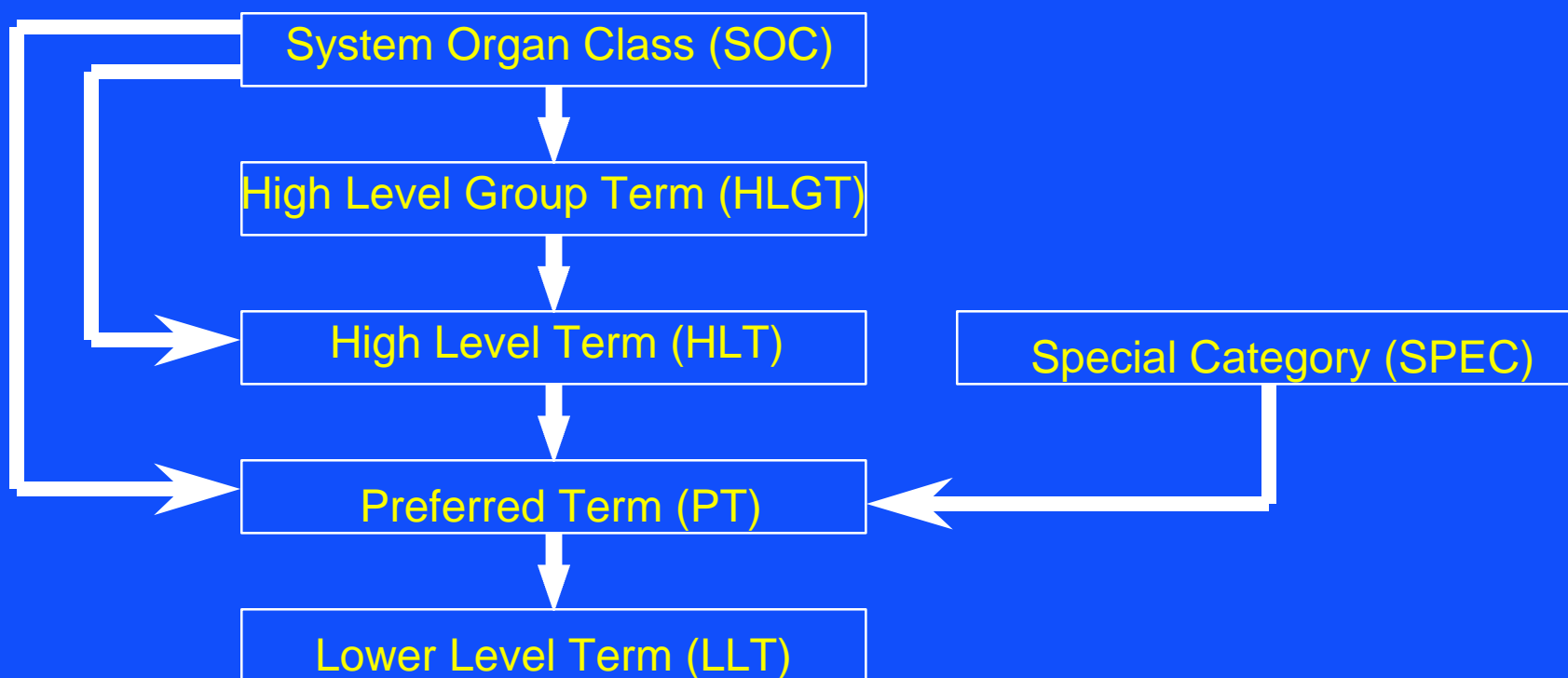
ICH PMS Initiatives

- *M1 Nomenclature (MEDDRA)*
- M2 Electronic Transmission Vehicle
- E2A Expedited ADR
- E2B Electronic Data Format
- E2C Periodic- PSUR

Terminologies Included in MEDDRA

- MCA Medical Terminology
- COSTART (5th ed)
- WHOART (95:3)
- J-ART (1993)
- ICD-9
- ICD-9-CM (4th Revision)
- HARTS (Release 2.2)

MEDDRA STRUCTURAL HIERARCHY



MEDDRA

Numbers of Terms per Hierarchial Level

	<i>v1.5</i>	<i>v1.9</i>
• SOC	26	26
• HLGTT	88	338
• HLT	653	1667
• PT	8658	11107
• LLT	35335	46171
<i>COSTART</i>	<i>1199 Terms</i>	

26 SYSTEM ORGAN CLASSES (SOC) OF MEDDRA

Investigations

Cardiac disorders

Congenital and familial/genetic disorders

Disorders of blood & the lymphatic system

Neurological disorders

Disorders of the eye

Disorders of the ear & labyrinth

Respiratory, thoracic & mediastinal disorders

Gastrointestinal disorders

Renal & urinary disorders

Skin & subcutaneous tissue disorders

Musculoskeletal, connective tissue & bone disorders

Endocrine disorders

Disorders of metabolism & nutrition

Infections & infestations

Injury & poisoning

Benign & malignant neoplasms (including cysts and polyps)

Surgical & medical procedures

Vascular disorders

General disorders

Pregnancy, puerperium & perinatal conditions

Social circumstances

Disorders of the immune system

Hepato-biliary disorders

Disorders of the reproductive system and breast

Psychiatric disorders

System Organ Class Reviews

Performed by the FDA

COSTART to MEDDRA

Mapping Validation

- Migration of Spontaneous Reporting System (SRS) data into AERS
- COSTART: one to many relationships

MEDDRA

“Production” Version

Use in FDA AERS implementation

Current Availability of MEDDRA

- Manufacturers Participating in
Electronic Submission Phase III Pilot
Program *MEDDRA v2.0*
- FDA Contact for Signup:
Ralph Lillie 301-827-3222

Current Availability of MEDDRA

- Manufacturers NOT Participating in
Electronic Submission Phase III Pilot
Program *MEDDRA v1.5*
- Contact:
Chris LeGrand, BDM International, Inc.
(703) 848-6331

MEDDRA v2.0

- “official”, “licensed” version of MEDDRA
- general availability when international maintenance organization (IMO) is in place

FDA Use of MEDDRA

Replacement of COSTART terminology

- Coding of Adverse Events in AERS
 - no limit to number of event terms
- Coding of Indications

MEDDRA Coding Principles

- General principles developed which would apply to any terminology
- Additional coding principles being developed specific to MEDDRA as coding process begins

MEDDRA Searching Guide

- General Principles for Searching
- COSTART to MEDDRA Mapping
- Cross Reference for COSTART grouping terms (midlevel) to MEDDRA grouping terms (HLT, HLGT, SOC)

Work in Progress !

Designated Medical Events (DMEs) (examples)

- Agranulocytosis
- Aplastic anaemia
- Respiratory failure
- Torsade de pointes
- Malignant Hypertension
- Convulsion
- Epidermal necrolysis
- Hepatic failure
- Anaphylactic Shock

ELECTRONIC ADR SUBMISSION

- Implements ICH - M1, M2, E2B
- *Require International Medical Terminology (MEDDRA)*
- Require Electronic Submissions of ALL Manufacturer Reports, *Precoded*, using E2B format via ESTR1 specifications in ICH-M2

Phase III Pilot: Acceptance of Uncoded Data

FDA Use of AutoCode

an assist tool

- **Coding** of Adverse Event Reports
(event + indication)
- **Browsing** the MEDDRA terminology
 - Search Strategy Development
- **Quality Control** - Manufacturer's Electronic Submissions

REQUIRES QUALIFIED HUMAN CODER !

QUESTIONS